INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/29827

A. CLASSIFICATION OF SUBJECT MATTER IPC(7): B66B 13/12, 13/16 US CL: 187/309, 319, 330, 335, 401 According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 187/309, 319, 330, 335, 401, 316, 317			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
A	US 3,447,704 A (Guilbert, Jr.) 03 June 1969 (03.06	.1969), whole document.	1
· A	US 4,926,975 A (Morris) 22 May 1990 (22.05.1990), whole document. NONE		NONE
Further	documents are listed in the continuation of Box C.	See patent family annex.	
* Special categories of cited documents: "T" \ later document published after the international filing date or prior			
	defining the general state of the art which is not considered to be lar relevance	date and not in conflict with the applic principle or theory underlying the inve "X" document of particular relevance; the	ention 1
"E" earlier ap	plication or patent published on or after the international filing date	considered novel or cannot be considered	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination	
"O" document	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the	e art
priority date claimed		"&" document member of the same patent family	
Date of the actual completion of the international search		Date of mailing of the international search report 21 APR 2004 Authorized officer Eileen D. Lillis Telephone No. 703-308-1113	
23 February 2004 (23.02.2004)		& L APR	2004
		Authorized officer	Botan
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Forms DCT/ISA/210 (second sheet) (Tulu 1009)			

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